MarCum TECHNOLOGIES

Showdown Troller

Digital Fish Finder

User Manual

www.marcumtech.com

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About Your New Showdown Troller Handheld Fish Finder

Congratulations! Your new Showdown Troller Digital Fish Finder is a palm-sized sonar device with full size performance. For use in either ice-fishing or open water situations…quickly "troll" from hole to hole while ice-fishing or shoot through your canoe or kayak in order to find fish and the correct depth. The ultimate in portability is matched to ShowDown's proven Crystal-Quick® vertical display. The sonar instantly locks on to bottom, and clearly displays the location of fish and your lure, anywhere in the water column. The Troller delivers unmatched performance and is the most intuitive and easy to use system on the market… the future of ice-fishing electronics is here! With the Showdown Ice Troller, you will catch more fish and have more fun. This is due in part to the simplicity of ShowDown's sonar presentation, as well as the user-friendliness of the interface. You will now spend more time actually fishing, less time trying to figure out how to use and interpret what your sonar unit is showing you.

Simply turn on your Showdown Troller, and immediately begin observing the action below. The ShowDown's Auto Depth Range feature means there's no switching between various depth ranges. Nor will you have to guess at bottom or depth itself. The Showdown Troller immediately locks on to the proper depth range, while also displaying digital depth at all times.

In addition to other standard features such as 25-level Sensitivity, and 10 Noise Reduction settings, your new Showdown Troller also features the exclusive "Ice Mode," which provides seamless sonar operation even in extremely cold conditions (down to at least -40°F). Turning this feature on activates a heating element that keeps the internal liquid crystals moving at super-high speed. (Typical liquid crystal sonar units often freeze and delay the display speed under cold conditions).

All these features combine into the most precise, yet simple-to-use sonar unit on the market. Thank you for making this purchase—you'll be glad you did.

Included In Your Showdown Troller Package

- Showdown Troller Handheld sonar Unit
- 6-feet transducer / power cable and 200 kHz - 20 Degree transducer
- Neck Lanyard
- User's Manual
- Warranty Card

Getting Started

Your new Showdown Troller Digital Fish Finder runs on 6 AA batteries (not included). Open up the battery compartment located in the back of the unit and insert 6 AA batteries into the battery compartment and replace the cover. Next, take one looped end of the neck lanyard and feed it through the neck lanyard slot located on the "bottom" on the Troller Unit. Take the other looped end, and pass it through the loop that has been fed through the slot to secure the lanyard to the Troller unit. The lanyard can then be worn around your neck to keep your Troller close at hand.

Finally, simply secure the plug on the 6' transducer cord in to the power plug on the back of the unit and your Showdown Troller is now ready to be used. The 6 AA batteries will power your Showdown Troller unit for up to 20 hours of continuous use.

12 Volt Rechargeable Battery Option

The Troller unit can also be powered by using 12V rechargeable battery (not included). The power / transducer cord that comes with the Troller unit is equipped with a 12V "pig-tail" lead that can be attached to an optional accessory, the Showdown Troller Performance Pack. Once your Showdown Troller unit has been secured to the Performance pack, you will be able to operate the unit using 12V power. The Troller unit can be placed in and removed from the performance pack with ease by using the Quick-Slide bracket that comes with the performance pack. You do not need to have the AA batteries in place for the 12v battery to power your Troller. Whenever your Troller is hooked up to the 12v battery, no drain is being put on your AA batteries.

Showdown Troller Features

The ShowDown's straightforward control panel is designed to let you concentrate on fishing. Most settings work by first activating the function itself (ex: press SENS to trigger sensitivity adjustment), then simply press the UP or DOWN keys to adjust levels.

Power

ON— To turn the Showdown Troller POWER to ON, press and hold POWER key for two seconds. The unit will beep, and the message 2.3 ice off will appear briefly at the bottom of the screen—this message indicates that your system is equipped with our 2.3 edition software, and that the ICE MODE is off. (See below to activate ICE MODE).

OFF— To turn the Showdown Troller POWER to OFF, press and hold POWER for two seconds. Showdown Troller automatically preserves your sonar settings the next time you activate unit.

BACKLIGHT— To turn backlight on, turn Showdown Troller POWER ON, then press POWER key again (do not hold key down). To turn backlight off, press POWER momentarily again (do not hold button down).

Simulator Mode

With Showdown Troller POWER OFF, enter SIMULATOR mode by pressing and holding POWER key for 5 seconds. "SI" will appear on the bottom of the screen, indicating you are in SIMULATOR mode. SIMULATOR mode shows how the bottom, a lure and fish would appear on the screen if you were fishing in 32' of water. To exit SIMULATOR mode, turn the Showdown Troller POWER to OFF, then turn unit back ON.

Ice Mode

Your Showdown Troller sonar offers exclusive ICE MODE, a feature unique to Versa Electronics brand sonar units, which allows for seamless operation in the coldest conditions. With ICE MODE active, Showdown Troller triggers an

internal LCD heater that keeps the liquid crystals moving at their normal super high speeds, regardless of sub-freezing temperature. This means that anglers no longer have to worry about their sonar "slowing down" due to freezing liquid crystals. While this feature is called "Ice Mode", you may find that your showdown performs better under a wide variety of conditions when in "ICE" mode.

NOTE: If your Showdown Troller is left in extreme cold for an extended time period with the POWER turned OFF, allow one to two minutes for the Ice Mode LCD heater to warm the crystals sufficiently, after POWER has been turned ON, and ICE Mode has been activated. After the ICE Mode LCD heater has been running for an extended period, it is perfectly normal for the Showdown Troller power-head to feel warm.

To Initiate Ice Mode, simply press the UP and DOWN buttons simultaneously. You will now see the message "ICE ON" flash briefly at the bottom of the screen. The internal LCD heater is now activated. To exit ICE mode and return Showdown Troller to normal operating mode, press the UP and DOWN keys simultaneously. The message "ICE OFF" will now flash briefly at the bottom of the screen.

SENS (SENSITIVITY) — The Showdown Troller is a highly sensitive sonar unit capable of reading the tiniest of solid objects below. It features a 25-level adjustable Sensitivity function with surface clutter elimination. Ideally, Sensitivity should be set at the lowest level possible to still view your lure and surrounding fish, while at the same time "tuning out" excessive clutter in the water column. Clutter can make reading the sonar screen more difficult. Clutter can be caused by any number of suspended items, including algae, zooplankton, tiny bubbles, and other particles.

If you're seeing too much clutter, simply decrease the Sensitivity level until the clutter disappears. Conversely, if you're not reading your lure directly below the transducer, consider increasing the Sensitivity level. In most cases, you will have the best performance with the Sensitivity set between 5 and 10.

MANUAL SENSITIVITY— To manually adjust Showdown Troller SENSITIVITY press the SENS button. The "SENS" indicator will appear at the lower left of view-screen, along with a number that indicates the Sensitivity setting (0 to 25) at the bottom of the screen. With the SENS indicator activated, press the UP or DOWN key to increase or decrease sonar SENSITIVITY to the desired level.

RANGE— The Showdown Troller is equipped with 5-separate depth ranges—20, 40, 60, 80, and 120'. Regardless of the manual depth range setting, Showdown Troller will always display digital depth down to 120', even if bottom is deeper than the bottom limit of the RANGE setting.

AUTO RANGE— In Auto Range mode, Showdown Troller will automatically lock into the depth range appropriate to the depth of the water. For instance, in 32-feet of water, Showdown Troller will automatically lock in at the 40-foot depth range. Auto Range allows you to simply turn on the power and begin fishing. Your Ice Troller is in Auto Range Mode when you turn it on.

MANUAL RANGE— To manually adjust the Troller's depth range, press the RANGE key. This will cause the digital depth markers to flash on-and-off, indicating that the sonar has switched from AUTO RANGE mode to MANUAL RANGE mode. While the display is flashing, press either the UP or DOWN key to toggle between depth ranges—20-FT, 40-FT, 60-FT, 80-FT, 120FT, Pressing UP moves RANGE to the next shallower depth zone; DOWN moves to the next deeper zone. To go back to Auto Range, press the RANGE key, then press the UP key (moving Range to the next shallower setting) until the Range passes the 20-foot range by one step. At this point, you see a flashing "A" icon instead of the FEET indicator. To return to manual range, simply press RANGE again, and scroll DOWN to the next deeper range.

NOISE (Interference Rejection)— The unit's Noise Rejection feature allows you to use your Showdown Troller in close proximity to other sonar units, trolling motors, and other electronic devices without experiencing excessive signal interference. A ten (10) level Noise Rejection function allows you to adjust to a wide range of rejection levels. If "noise interference" occurs, increase the Noise Rejection level until you effectively eliminate the signal interference. To adjust the Troller's NOISE Rejection control, simply press the NOISE button once. The message "noi" will start to blink at the bottom of the screen, followed by a number. This number indicates the level of NOISE rejection you are at. Pressing the UP or DOWN button at this time will change this number and your level of noise rejection. Continue to adjust until interference is eliminated. After approximately 5-seconds, all noise rejection data will disappear from the screen, but still be active.

Other Showdown Troller Features

Backlight— Your Showdown Troller offers a warm "nightglow" backlight that actually accentuates the pixels in the display. The Backlight can be turned on or off by briefly pressing the POWER button after unit is ON.

Digital Depth— The digital depth display on the Showdown Troller sonar provides a quick and easy way to determine depth. Digital Depth is always displayed in the bottom of the display. In addition, the digital depth scale indices are shown to the left of the display area for quickly determining the depth of fish or your lure.

Low Battery Warning— When battery power reaches very low levels, a low battery indicator will appear and flash at the top right of the display. An audible beep will also sound every 30 seconds. This signifies that it is time to replace the 6 AA batteries, or recharge the 12 volt battery.

"Last Settings" Memory— Your Showdown Troller automatically remembers the settings you used last. So when it is turned OFF and then ON again, your previous settings will be preserved and active.

Tips For Using Your Showdown Troller

Setting up the transducer: When placing the Showdown Troller Transducer in an ice hole or over the side of a watercraft, the transducer will automatically level itself—returning super accurate underwater signals. When using the transducer to "shoot through" the bottom of a canoe, kayak or other watercraft, be sure that the bottom of the transducer is level before attempting to shoot through so a positive bottom reading can be seen. When Ice-Fishing, we recommend having transducer down the least amount possible. The Showdown Ice Troller puts out enough power that in most cases it is not necessary to have your transducer down more than a few inches below the water line to get a good reading. When the ice thickness is over two feet, it may be necessary to have your transducer set farther down. Remember--the less transducer cable you have out, the easier it is to pull it out of the water when bringing in a fish, or to move to a new location.

How to Read the Showdown Troller sonar signals: The Showdown Troller displays the water column in its natural state (vertically), rather than in a circular configuration. On the Showdown, top is the surface, and bottom is bottom. Bottom appears as a dark solid bar above decreasingly solid bars below. A thicker "bottom band" indicates a harder bottom composition, such as rock, gravel or sand. A thinner band indicates a softer bottom.

Generally, a solid band that appears on the screen between the surface and bottom indicates some form of aquatic life (game fish, baitfish, insects, plankton, etc.), or your lure. Thicker or more solid bands imply larger objects, such as game fish. This is due to the nature of the ShowDown's sonar signals. Stronger or denser objects return a stronger signal back to the transducer than smaller objects.

At the same time, even a large fish may not return a strong signal until it swims directly beneath your transducer. This is because the transducer emits a cone-shaped signal that increases in diameter as the signal travels deeper. Therefore, not only will a fish appear to grow in size as it travels beneath the transducer (the signal has become stronger), but it will also appear to be swimming from deeper water to shallower water, even though this may not be the case at all. A fish that's swimming at 25 feet may not display at 25-feet until it passes directly beneath the sonar transducer. That's simply because the sonar signal travels further to return an echo from a fish that's off to the side than it does for a fish that's directly below.

How do I "see" my lure?

The best way to find your lure on the Showdown Troller screen is to simply drop your lure down to bottom, then reel it up about a foot. You should see a single solid band appear above bottom to signify your lure. If you do not see this, adjust the sonar Sensitivity by pressing the SENS button and then the UP/DOWN keys (see SENSITVITY). Adjust sensitivity until you can make out your lure even as you reel it up toward the surface, or jig it up and down. Do not increase sensitivity too much, however, as doing this may cause your Showdown Troller to display excess "clutter" that makes following your lure and nearby fish more difficult.

Battery life and sonar run-time: Using 6AA battery power, 20 hours of continuous use can be achieved.

With the use of the Optional 12V Performance Pack and Optional 12V battery, a fully charged 12-volt, 9.0-amp battery (not included) should provide up to 30-hours of use between charges. To avoid an unexpected shortage of power, always have a spare set of AA batteries with you. NOTE: In ICE mode, whether using 6AA power or 12V power through the optional performance pack, run time will be decreased slightly, due to the power requirements of the LCD heater. We recommend checking your 6AA batteries often and charging your 12V battery after every use.

Will the Showdown Troller read through the ice?

Yes. This is a great way to save time while looking for a particular spot or depth. To receive a sonar signal directly through the ice (without drilling a hole), first clear off any snow that may be covering ice. Make sure that ice in the area is relatively "clear" ice without excessive bubbles or frost pockets, which can deflect sonar signals. Pour about a cup of water on the spot, and immediately rest the transducer on the standing water on the ice. If the surface of the ice is rough or filled with air bubbles, drilling a 1" deep hole in the ice before checking the depth may be necessary.

Caring For Your Showdown Troller

To keep your Showdown Troller running at optimal performance, we recommend the following. Stow your Showdown Troller properly when not in use. Turn sonar power off, and disconnect Power plug from back of unit. If using the Performance Pack, slide the adjustable transducer arm back into the housing, and stow transducer into the interior pocket. If possible, gently wipe excess water or moisture from Showdown Troller screen and transducer arm with a soft cloth. Close and secure soft case door with Velcro enclosure. Store in cool (above 30°F, below 85°F), dry location whenever possible. If you use the Performance pack with a 12 volt battery, recharge battery after every use, and during prolonged storage periods, recharge the battery every few months. These steps will maximize the life of your battery. To clean your Showdown Troller periodically, use a mild dishwashing soap and a soft cloth, and gently clean the Showdown Troller power head and view screen. DO NOT use window cleaner or alcohol-based cleaning products—they may damage LCD screen and void your warranty.

Troubleshooting

Unit will not power up:

6AA Batteries may need to be replaced – Try replacing the 6 AA batteries.

Batteries installed improperly—make sure batteries are installed observing proper polarity

Power cord may not be connected to Showdown Troller Unit - Check connections and try POWER again.

Check wiring on power cable. Make sure all connections between the Showdown Troller/ transducer / battery are solid.

Unit turns on but will not read bottom:

Transducer may not be properly leveled or connected.

Check cable connections. Make sure the bottom of the transducer has a clear path to the bottom, and is not obstructed by any solid objects.

Check to see if you have adjusted the manual depth range. If range is set shallower than the depth of the water, bottom will not display in the viewing area. Adjust range to be just slightly deeper than bottom.

Be sure you have the Sensitivity turned up high enough

Screen seems to be getting heavy interference, with lots of "clutter":

Adjust the Showdown Troller sensitivity. Often, decreasing the unit's sensitivity will keep unwanted signals from appearing on screen.

You might be receiving interference from adjacent electronic devices, such as a competing sonar unit. Activate and adjust the Troller's Noise Rejection until you find a level that clears up most or all of the interference (see NOISE section).

Display only shows 32'

Troller is in simulator mode. Turn the Troller OFF by holding the POWER button in for 5 seconds, and then turn it back on.

Showdown Troller Specifications

200 kHz Transducer Angle: 20° Transmit Power:

Up to 4000 watts peak-to-peak power

2 inch Target Separation

Sensitivity Control: 25-level

Noise Rejection Control: 10-level anti-interference

Range Control: 5 depth ranges—20', 40', 60', 80', 120'
(Auto and Manual Settings)

Ice Fishing Mode: Activates LCD heater, and boosts gain
Digital Depth Display

Display Grayscale: 4-level Grayscale

One-Year Limited Warranty

Versa Electronics warrants this product to be free from defects in materials and workmanship for one year from the date of purchase. This warranty applies to customers who properly fill out and return the warranty card included with this manual. Failure to complete and return the warranty card voids the warranty. Versa Electronics will, at its sole discretion and without charging the customer repair or replace any components that fail in normal use. Failures due to abuse, misuse, or unauthorized alteration, modification or repair are not covered. Cut cables and submerged power-heads are not covered. Broken cable and/or power-head connectors will incur a service repair charge. The warranty is valid only for the original owner who purchases the unit from an authorized Versa Electronics dealer. Products purchased from on-line auction sites are not considered under warranty.

How to Obtain Service

We want our products to provide you with a pleasant on-the-water experience. That means maximum customer satisfaction. If you have a problem with your Showdown Troller unit please go the Showdown website at www.showdown-fishfinder.com, call Versa Electronics toll free number at **(888) 778-1208,** or send email to **service@versae.com** for a Return Authorization number(RA#). No service returns will be accepted without this pre-return authorization number, which must be clearly marked on the outside of the package. Versa Electronics retains the exclusive right to repair or replace the unit at its discretion. The customer is responsible for shipping costs associated with returning the unit to Versa Electronics. Versa Electronics will pay for shipping the repaired unit back to the customer while it is still under one-year warranty. All out-of warranty services will be charged a fee for service and shipping which must be paid in advance. After obtaining a Return Authorization number, the unit should be securely packed and shipped “pre-paid freight” and insured to Versa Electronics. It is the consumers’ full responsibility to track their products sent out in the mail or other forms of delivery service. Versa Electronics will not be liable for lost packages sent out in the mail. Unless specified otherwise, do not include battery or other accessories when returning the unit for repair. Versa Electronics will not be responsible for lost or damaged accessories. Please allow a minimum of 10 business days prior to calling on the status of your repair.

Versa Electronics
3943 Quebec Avenue N.
Minneapolis, MN 55427

RA#_____

Note: The RA number must be clearly marked on the outside of the package

Showdown Troller Replacement Parts

Should you need to order any replacement parts for your Showdown Troller Digital Fish Finder, you can find them by going to the Showdown Website at www.showdownfishfinder.com

Showdown Troller/Performance Pack Replacement Parts

The rigors of ice fishing can take a toll on equipment. Replacement parts that have become lost or damaged can be easily ordered, go to showdownfishfinder.com, or you can call us at (888) 778-1208.

PARTS LIST

Performance pack

Transducer

Turning arm

Straight arm

Pack

Gimball

Stopper (2-pack)

2-Amp fuse (2-pack)

Manual

12 V 9 amp battery

Other Marcum Products

Here are some other great systems from Marcum. These items can be purchased from one of our many fine retailers, or direct from us at **marcumtech.com**

LX5 The LX-5 incorporates the latest in sonar technology, featuring a patented flexible zoom that can be set anywhere between surface and bottom, a patent pending TrueColor display, 2500 watts of peak-to-peak power, patented signal interference rejection, Superfine Line Technology, and target separation down to 3/4 inch.

LX7 The LX-7 Digital Sonar takes DNA from other fine Marcum sonars—you might say it was “bred” for excellence. Because the LX-7 is digital, we can pack it full of more features than have ever been found in an ice sonar before. With an 8” customizable dashboard display, superior target separation, 12-level interference rejection, dual-beam transducer, expandable zoom, and much, much more, the LX7 is the perfect combination of macro features and micro precision.

VS825SD The VS825sd offers several technologies that are the first of their kind, making this system the most technologically advanced underwater viewing system available.

Using new technology such as an 8” Solar Intelligent- H2D display will deliver the sharpest, most vivid display, even in direct sunlight; Color Kill technology allows you to switch between a Color or Black and White image on demand, while maintaining crisp screen resolution; On-Screen displays of Camera Direction, Depth, Temp and Battery Voltage take all of the guess work out of your camera position so your new VS825sd can be used to hunt for underwater treasures, locate the “spot on the spot”, observe fish in their natural habitat or learn how fish react to your lure or bait presentation. The applications are endless, and it’s never been easier or more fun to view.

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MarCum User Manuals are available for download from www.marcumtech.com.